

Preliminary Amendment

National Stage Entry of PCT/JP2003/013812

Attorney Docket No.: Q87151

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): A fluoro-resin composition comprising a fluorine-containing ethylenic polymer and a carbon fibril,
wherein said fluorine-containing ethylenic polymer is a carbonyl group-containing one and said carbon fibril amounts to 0.3 to 20% by mass relative to the total solid matter of said carbon fibril and said fluorine-containing ethylenic polymer.

2. (original): The fluoro-resin composition according to Claim 1,
wherein the number of carbonyl groups is 3 to 3,000 per 1×10^6 main chain carbon atoms in the fluorine-containing ethylenic polymer.

3. (currently amended): The fluoro-resin composition according to Claim 1 ~~or 2~~,
wherein the fluorine-containing ethylenic polymer is a polymer having a tetrafluoroethylene unit content of not lower than 40 mole%.

4. (currently amended): The fluoro-resin composition according to Claim 1, ~~2 or 3~~,
wherein the fluorine-containing ethylenic polymer is a copolymer comprising tetrafluoroethylene and a perfluoro ethylenic monomer represented by the following general formula (I):



wherein Rf^1 represents $-\text{CF}_3$ or $-\text{ORf}^2$ and Rf^2 represents a perfluoroalkyl group containing 1 to 5 carbon atoms.

Preliminary Amendment

National Stage Entry of PCT/JP2003/013812

Attorney Docket No.: Q87151

5. (currently amended): The fluoro-resin composition according to Claim 1 ~~or~~ 2, wherein the fluorine-containing ethylenic polymer is a copolymer comprising the following a, b and c:

- a. 20 to 90 mole% of a tetrafluoroethylene unit,
- b. 10 to 80 mole% of an ethylene unit and
- c. 0 to 70 mole% of a perfluoro ethylenic monomer unit derived from the

perfluoro ethylenic monomer represented by the following general formula (I):



wherein Rf^1 represents $-\text{CF}_3$ or $-\text{ORf}^2$ and Rf^2 represents a perfluoroalkyl group containing 1 to 5 carbon atoms.

6. (currently amended): The fluoro-resin composition according to Claim 1 ~~or~~ 2, wherein the fluorine-containing ethylenic polymer is a polymer having a vinylidene fluoride unit content of not lower than 15 mole%.

7. (original): The fluoro-resin composition according to Claim 6, wherein the fluorine-containing ethylenic polymer is a copolymer comprising the following d, e and f:

- d. 15 to 60 mole% of the vinylidene fluoride unit,
- e. 35 to 80 mole% of a tetrafluoroethylene unit and
- f. 5 to 30 mole% of a hexafluoropropylene unit.

8. (currently amended): The fluoro-resin composition according to Claim 1, ~~2, 3, 4, 5, 6 or~~ 7,

wherein the carbon fibril comprises a fibrous matter having an outside diameter of 1 to 1,000 nm and a length (L) in the longitudinal direction-to-outside diameter (D) ratio (L/D) over 5.

Preliminary Amendment

National Stage Entry of PCT/JP2003/013812

Attorney Docket No.: Q87151

9. (currently amended): The fluoro-resin composition according to Claim 1, ~~2, 3, 4, 5, 6, 7~~
~~or 8,~~

wherein the carbon fibril comprises a carbon fibril flocculate.

10. (original): The fluoro-resin composition according to Claim 9,
wherein the carbon fibril flocculate has an average particle diameter of 0.01 to 0.25 mm.

11. (currently amended): The fluoro-resin composition according to Claim 1, ~~2, 3, 4,~~
~~5, 6, 7, 8, 9 or 10~~

which comprises an inorganic filler as well as the fluorine-containing ethylenic polymer
and the carbon fibril,

said inorganic filler amounting to 3 to 50% by mass of said fluoro-resin composition.

12. (currently amended): A fluorine-containing molded article
which comprises the fluoro-resin composition according to Claim 1, ~~2, 3, 4, 5, 6, 7, 8, 9, 10~~
~~or 11.~~

13. (currently amended): A fluorine-based layer-containing laminate
which has a fluorine-based layer comprising the fluoro-resin composition according to
Claim 1, ~~2, 3, 4, 5, 6, 7, 8, 9, 10 or 11.~~

14. (original): A method of using the fluorine-based layer-containing laminate
which comprises using the fluorine-based layer-containing laminate according to claim 13
in the presence of a liquid chemical, said liquid chemical being contact with the fluorine-based
layer.

15. (original): The fluorine-containing molded article according to Claim 12 which is to
be contact with a liquid when said fluorine-containing molded article is used.

Preliminary Amendment

National Stage Entry of PCT/JP2003/013812

Attorney Docket No.: Q87151

16. (original): The fluorine-based layer-containing laminate according to Claim 13, wherein the fluorine-based layer is to be contact with a liquid when said fluorine-based layer-containing laminate is used.

17. (currently amended): The fluorine-containing molded article according to Claim 12 ~~or 15~~, which is a piping tube for coatings, a transport tube for a drink and a liquid food, a chemical-transport tube or an auto fuel piping tube.

18. (currently amended): The fluorine-based layer-containing laminate according to Claim 13 ~~or 16~~, which is a piping tube for coatings, a transport tube for a drink and a liquid food, a chemical-transport tube or an auto fuel piping tube.